09838330_EAST

Plus Search 09/838330

09838330_EAST

5983190 6008802).pn.

09838330_QUAL

5819160	64
5616876	64
6248946	63
6192340	54
6253193	53
6363488	53
6389402	53
6427140	53
5249166	52
6226672	51
6226672	51
6611813	50
5991374	49
6118450	49
6446080	49
6199076	48
6434621	48
5903816	47
6185587	47
6374177	47
6549942	47
5566353	47
5983069	47
6317882	46
6012086	46
5629867	44
5809246	44
6067562	44
6295555	44
6356971	44
6393430	43
6286063	43
5724091	43
5721827	42
5929850	42
6047292	42
4779252	42
4991011	42
RE34475	42
6031795	42
6064379	42
6526411	42
5986692	42
5892536	42
6151491	42
6167253	42
6138009	41
5724355	41

09838330_QUAL

5983190 41 6008802 41

09838330 CLS

Most Frequently Occurring Classifications of Patents Returned From A Search of 09838330 on December 05, 2003

```
4 709/219
  2
    84/609
  2
   369/30.27
  2 455/412.2
  2
   707/104.1
  2 709/217
  2 725/110
  2 725/34
Cross-Reference Classifications
  5 709/217
  3
   369/30.08
  3
    369/85
  3
    705/53
    709/203
  3
  3
    725/139
  3
    725/87
  2
    84/477R
 2 369/30.25
 2
   369/83
 2 369/84
 2
    381/80
 2 434/307A
  2 455/413
  2 455/418
 2 704/275
 2
    705/14
 2
   705/57
 2
    707/10
 2
    707/102
 2
   707/104.1
  2
    709/202
 2
    709/206
 2
    709/227
 2
    709/231
 2
   709/238
  2
    709/246
  2 725/68
Combined Classifications
 7 709/217
```

Original Classifications

709/219

4 707/104.1

09838330_CLS

- 369/30.08
- 369/30.25
- 3 369/85
- 3 705/53
- 3 705/57
- 3 707/102
- 3 709/203
- 3 709/206
- 3 709/231
- 3 725/139
- 3 725/34
- 3 725/87
- 2 84/477R
- 2 84/609
- 345/810 2
- 2 369/30.27
- 2 369/83
- 2 369/84
- 2 370/401
- 2 379/101.01
- 2 381/77
- 2 381/80
- 2 434/307A
- 2 455/412.2
- 2 455/413
- 2 455/418
- 2 701/200
- 704/275 2
- 2 705/14
- 2 705/80
- 2 707/10
- 2
- 709/202
- 2 709/227
- 2 709/238
- 2 709/246
- 2 725/110
- 2 725/138
- 2 725/35
- 2 725/67
- 725/68

09838330 WEST

(5819160 5616876 6248946 6192340 6253193 6363488 6389402 6427140 52491 66 6226672 6226672 6611813 5991374 6118450 6446080 6199076 6434621 590 3816 6185587 6374177 6549942 5566353 5983069 6317882 6012086 5629867 5 809246 6067562 6295555 6356971 6393430 6286063 5724091 5721827 5929850 6047292 4779252 4991011 RE34475 6031795 6064379 6526411 5986692 58925 36 6151491 6167253 6138009 5724355 5983190 6008802).pn.

09838330_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returne

From A Search of 09838330 on December 05, 2003

7	Class 709	OR, 5 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINA	ATING 709/200 709/217	MULTICOMPUTER DATA TRANSFERRING .Remote data accessing
5	709/219 (4 Class 709	OR, 1 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDIN	ATING 709/200 709/217 709/219	MULTICOMPUTER DATA TRANSFERRING .Remote data accessingAccessing a remote server
4	707/104.1 (2 Class 707	OR, 2 XR) : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/100 707/104.1	DATABASE SCHEMA OR DATA STRUCTURE .Application of database or data structure (e.g., distributed, multimedia, image)
3	369/30.08 (0 Class 369 369/24.01	: DYNAMIC INFORMATION STORAGE OR RETRIEVAL
	369/30.01	.Selective addressing of storage medium (e.g., programmed access)
	369/30.03 369/30.04	<pre>Of optical storage mediumUsing recorded information indicative of storage medium contents</pre>
	369/30.08	Designating particular order of contents (e.g., sequential playing back by playlist)
3	369/30.25 (1 Class 369 369/24.01	OR, 2 XR) : DYNAMIC INFORMATION STORAGE OR RETRIEVAL INFORMATION LOCATION OR REMOTE OPERATOR ACTUATED CONTROL
	369/30.01	.Selective addressing of storage medium (e.g.,
		programmed access)

	09838330_CLSTITLES
369/30.25	\dots Auxiliary information

3	369/85 Class 369/84 369/85	369	OR, 3 XR) : DYNAMIC INFORMATION STORAGE OR RETRIEVAL DUPLICATION OR COPYING (E.G., RERECORDING) .To diverse type of storage medium
3	705/53 Class		OR, 3 XR) : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATIO	N		
	705/50 705/51 705/52 705/53		BUSINESS PROCESSING USING CRYPTOGRAPHY .Usage protection of distributed data filesUsage or charge determinationIncluding third party for collecting or distributing payment (e.g., clearinghouse)
3	Class	(1 705	OR, 2 XR) : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATIO			DUGINEGO DECORGATNO HOING ODVERGODADIN
	705/50 705/51 705/57		BUSINESS PROCESSING USING CRYPTOGRAPHY .Usage protection of distributed data filesCopy protection or prevention
3	707/102	(1	OR, 2 XR)
Ū	Class		: DATA PROCESSING: DATABASE AND FILE
	Class	707	MANAGEMENT OR DATA STRUCTURES
	707/100 707/102		
3	707/100 707/102		MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface)
3	707/100	(0	MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface) OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
	707/100 707/102 709/203	(0	MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface) OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
	707/100 707/102 709/203 Class	(0	MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface) OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
	707/100 707/102 709/203 Class ATING 709/200 709/201	(0 709	MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface) OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO MULTICOMPUTER DATA TRANSFERRING .Distributed data processingClient/server OR, 2 XR)
RDIN	707/100 707/102 709/203 Class ATING 709/200 709/201 709/203	(0 709	MANAGEMENT OR DATA STRUCTURES DATABASE SCHEMA OR DATA STRUCTURE .Generating database or data structure (e.g., via user interface) OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO MULTICOMPUTER DATA TRANSFERRING .Distributed data processingClient/server OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

3	709/231	(1	09838330_CLSTITLES
J			: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDIN.	ATING		MAIL ME GOMENTED DE REI MEDEN GEREDE ING
	709/200 709/230 709/231		MULTICOMPUTER DATA TRANSFERRING .Computer-to-computer protocol implementingComputer-to-computer data streaming
3	· ·	725	: INTERACTIVE VIDEO DISTRIBUTION SYSTEMS VIDEO DISTRIBUTION SYSTEM WITH LOCAL
	725/139		INTERACTION .Receiver (e.g., set-top box)
3	725/34 Class 725/32		OR, 1 XR) : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR SUBSTITUTION
	725/34		.Specific to individual user or household
3	725/87 Class 725/86 725/87	725	OR, 3 XR) : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS USER-REQUESTED VIDEO PROGRAM SYSTEM .Video-on-demand
2	· -, - · · - ·	084	: MUSIC ACCESSORIES .Teaching devices
2	•	084	OR, 0 XR) : MUSIC INSTRUMENTS .Electrical musical tone generationData storageDigital memory circuit (e.g., RAM, ROM, etc.)Note sequence
2	345/810 Class		OR, 1 XR) : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL
DIS	PLAY		
	345/700		SYSTEMS OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	345/764		On-screen workspace or object

	345/810	<pre>09838330_CLSTITLESMenu or selectable iconic array (e.g., palette)</pre>
2		OR, 0 XR) : DYNAMIC INFORMATION STORAGE OR RETRIEVAL INFORMATION LOCATION OR REMOTE OPERATOR ACTUATED CONTROL
	369/30.01	
	369/30.03 369/30.27	Electrical control signal processing
2	369/83 (0 Class 369 369/83	: DYNAMIC INFORMATION STORAGE OR RETRIEVAL
2	369/84 (0 Class 369 369/84	OR, 2 XR) : DYNAMIC INFORMATION STORAGE OR RETRIEVAL DUPLICATION OR COPYING (E.G., RERECORDING)
2	370/401 (1 Class 370 370/351 370/389 370/400 370/401	: MULTIPLEX COMMUNICATIONS PATHFINDING OR ROUTING
2		OR, 1 XR) : TELEPHONIC COMMUNICATIONS TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COM
POSI		
		.Audio program distribution
2		OR, 1 XR) : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/77	ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION
2	381/77	OR, 2 XR) : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION
	381/80	.Multiple channel
2	434/307A (0	OR, 2 XR)

09838330 CLSTITLES

434 : EDUCATION AND DEMONSTRATION Class CATHODE RAY SCREEN DISPLAY AND AUDIO MEANS 434/307R 434/307A .Karaoke 455/412.2 (2 OR, 0 XR)Class 455 : TELECOMMUNICATIONS 455/403 RADIOTELEPHONE SYSTEM 455/412.1 .Message storage or retrieval 455/412.2 .. Having message notification 455/413 (0 OR, 2 XR)Class 455: TELECOMMUNICATIONS 455/403 RADIOTELEPHONE SYSTEM 455/412.1 .Message storage or retrieval 455/413 ..Voice mail (0 OR, 2 XR) 455/418 455 : TELECOMMUNICATIONS Class 455/403 RADIOTELEPHONE SYSTEM 455/418 .Programming control 701/200 (1 OR, 1 XR)Class 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION 701/200 NAVIGATION 704/275 (0 OR, 2 XR) Class 704: DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION 704/200 SPEECH SIGNAL PROCESSING 704/270 .Application 704/275 .. Speech controlled system 2 705/14 (0 OR, 2 XR) 705 : DATA PROCESSING: FINANCIAL, BUSINESS Class PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN ATION

AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS 705/1 PRACTICE OR MANAGEMENT ARRANGEMENT

705/14 .Distribution or redemption of coupon, or incentive or promotion program

705/80 (1 OR, 1 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

		705/80		09838330_CLSTITLES ELECTRONIC NEGOTIATION
	2	707/10 Class		OR, 2 XR) : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
		707/1 707/10		DATABASE OR FILE ACCESSING .Distributed or remote access
	2			OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
R	DINA	ATING		
		709/200 709/201 709/202		MULTICOMPUTER DATA TRANSFERRING .Distributed data processingProcessing agent
	2	709/227 Class		
R	DINA	ATING		
		709/200 709/227		MULTICOMPUTER DATA TRANSFERRING .Computer-to-computer session/connection establishing
	2	709/238 Class	(0 709	OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
R	DINA	ATING		A THE TAX OF THE PART OF THE P
		709/200 709/238		MULTICOMPUTER DATA TRANSFERRING .Computer-to-computer data routing
	2	709/246 Class		
R	DINA	ATING		
		709/200 709/246		MULTICOMPUTER DATA TRANSFERRING .Computer-to-computer data modifying
	2	725/110		OR, 0 XR)
		Class 725/105	725	: INTERACTIVE VIDEO DISTRIBUTION SYSTEMS VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
		725/109		.Having link to external network (e.g.,
		725/110		<pre>interconnected computer network)Connection to external network at receiver (e.g., set-top box)</pre>
	2	725/138	(1	OR, 1 XR)

09838330 CLSTITLES

	Class 725/135 725/138		: INTERACTIVE VIDEO DISTRIBUTION SYSTEMS VIDEO DISTRIBUTION SYSTEM WITH LOCAL INTERACTION .Headend
2		725	OR, 1 XR) : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR SUBSTITUTION .Based on demographics or geographical area
2		725	OR, 1 XR) : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS SATELLITE VIDEO DISTRIBUTION SYSTEM .Transmitter
2	725/68 Class 725/63 725/68	725	OR, 2 XR) : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS SATELLITE VIDEO DISTRIBUTION SYSTEM .Receiver

09838330_LIST PLUS Search Results for S/N 09838330, Searched December 05, 2003

09838330_LIST

09838330 WDS

```
abide 1
able 1
about 3
above 4
abstract 1
acceptable 3
access 3
accessed 1
accessible 3
accoiding 1
accorclin 1
accord 1
according 8
account 2
achance 1
achieving 1
across 1
act 1
action 2
actions 5
active 2
actively 1
activities 1
actually 2
additional 1
address 1
adjust 1
advance 6
affiliate 8
affiliated 1
affiliates 8
after 1
ag 1
age 1
agent 1
agree 1
akamai 1
all 1
allows 1
already 2
also 4
alternate 14
alternately 5
alternative 1
alternatives 1
although 1
always 4
among 3
```

```
amongst 1
amount 2
an 31
and 55
andlor 2
aniving 1
another 8
anticipate 2
any 8
application 2
application 1
applied 2
appropi 1
are 30
arranged 1
artist 1
as 22
assemble 2
assembled 8
assembles 2
assembling 3
assembly 4
assisted 1
associated 4
association 1
at 17
ate 1
ations 1
audible 1
audio 34
audioramp 1
available 15
background 1
band 1
bandwidth 7
base 3
based 4
basis 1
be 62
beam 1
because 1
becomes 1
been 7
before 2
being 6
best 1
between 2
beyond 1
```

```
billing 1
bioadcast 1
blv 1
both 2
box 1
branch 1
branches 1
brings 1
broadcast 10
broadcasters 1
broken 1
buffenng 1
buffer 3
buffered 7
buffers 1
build 1
but 3
buy 1
by 28
cable 1
can 18
candidate 1
cantametrics 1
capacities 1
capacity 1
case 8
cause 1
causing 1
cd 6
cds 1
ceitent 1
cellular 1
change 4
changing 3
channe 1
channel 17
channels 9
choices 1
chooses 1
chosen 1
cieated 1
cited 1
classical 2
classified 1
classify 2
classitjc 1
cn 1
collections 1
```

collectively 1 com 1 combination 1 combined 1 commeicially 1 commercial 1 common 5 companies 1 company 1 compensation 1 compilation 1 compile 1 compiled 1 compiling 1 component 2 comprise 1 comprising 3 computer 4 concerns 1 configure 1 conform 3 conformi 1 confusion 1 conibination 1 conjunction 1 connected 2 connection 4 connections 2 conserving 1 consolidator 1 constiucted 1 construct 1 contact 1 content 9 contents 1 continue 2 contributes 1 contributing 2 controlled 1 convenient 2 conveniently 2 conventional 1 cooperates 1 cooperative 3 cooperatively 1 corn 1 could 8 course 3

create 2 created 2 cumulative 1 current 8 currently 3 custom 3 customer 3 customized 5 customizei 1 customizer 12 data 14 date 1 day 1 decide 2 decisions 1 deeper 1 define 1 defined 1 deleted 1 deletions 1 delivc 1 deliveiy 1 deliver 2 delivered 3 delivering 1 delivery 1 demands 2 descnbe 1 described 1 describes 1 design 2 designed 1 desirable 5 desired 5 determined 1 device 20 devices 6 diffei 1 different 2 difficult 1 digital 5 direct 1 directed 1 directly 2 directs 1 disclosure 1 discou 1 discourag 1

```
discourage 1
discouragmg 1
discussed 4
distinct 1
distributed 2
disttnct 1
does 2
done 1
download 2
downloading 1
downloads 2
dsl 1
dynamically 1
each 8
easy 1
ed 3
edge 2
effectively 1
efficient 2
effort 1
element 1
elements 2
em 1
embodiment 3
empty 1
enable 4
enables 1
ener 1
ening 1
enormously 1
enough 1
ensure 1
ent 1
entering 1
entertainment 1
entire 4
entirely 1
entities 3
entity 4
equipment 4
equivalent 1
equivalent 1
er 1
ese 1
establish 1
even 2
ever 2
every 2
```

```
everything 1
evolving 1
example 7
examples 2
excess 1
existing 4
expand 1
expanding 1
expands 1
experience 5
explicitly 1
extended 1
extreme 1
facility 1
familiar 1
favorite 2
fe 1
feed 1
feeds 1
few 1
field 2
files 1
filler 1
find 2
finding 2
finds 1
fined 1
finish 1
fiom 5
fit 2
fixed 1
fm 5
fnr 1
focth 1
foi 2
following 1
for 34
format 2
forms 1
found 1
free 1
from 32
ftn 1
furthei 2
further 10
fy 1
gaps 1
general 1
```

09838330 WDS

```
generated 1
generic 1
gi 1
given 1
globally 1
goal 2
going 1
greater 1
greatly 1
group 2
grow 1
guidance 1
guide 2
guound 1
ha 1
habits 1
hardware 1
has 10
have 5
he 2
hear 2
help 2
helpful 1
here 1
hewlut 1
hi 1
high 3
his 1
hit 1
hivention 1
ho 1
hole 1
home 1
how 2
however 9
iarn 1
iately 1
ic 1
icast 1
id 2
ideit 1
identifiable 2
identified 4
identifies 1
identify 2
identifying 1
identity 1
ider 1
```

```
idually 1
ieal 1
iemoves 1
if 9
ii 2
iing 1
illustrate 1
immediate 2
immediately 3
importantly 1
in 46
include 8
includes 1
including 6
incorporate 1
increasingly 1
indefinitely 1
independently 2
individual 4
individualized 1
indrwduai 1
industry 3
ineniher 1
influencing 1
information 9
ing 1
initial 1
iniuding 1
insert 1
instead 2
integrate 1
intei 1
interface 1
internet 39
into 6
invention 22
ioer 1
ioop 1
is 70
island 1
it 22
item 16
items 20
itis 1
its 3
jukebox 1
just 1
keeping 1
```

kerbango 1 know 2 known 3 labs 1 lag 1 laigei 1 large 3 larger 2 later 2 laylist 1 lead 1 leads 1 least 3 leave 1 li 2 libraiy 1 libraries 1 library 1 lii 1 like 3 liked 1 likely 1 limitation 1 limited 9 limiting 2 limitless 2 limits 2 link 1 linked 2 links 1 lis 1 list 6 listcner 1 listenei 2 listener 14 listeners 4 listening 9 lists 2 local 6 locally 6 location 4 logs 1 long 4 loop 1 lowered 1 ma 1 made 3 main 1

09838330 WDS

```
major 1
make 2
makes 2
making 1
manager 2
managing 1
manner 1
many 4
market 1
mass 1
material 2
materials 1
may 38
mdix 1
means 3
mechanism 1
media 2
memory 4
method 9
methods 10
million 1
minimal 2
minimize 2
mod 1
modest 1
modify 1
modifying 2
mold 1
more 8
most 4
moving 1
mow 1
mp 1
much 2
multi 1
multiple 1
multipurpose 1
music 11
must 5
name 3
names 1
naming 1
nature 1
ndwidth 1
ne 3
neai 2
near 14
nearby 2
```

```
nearest 1
nearly 2
need 8
needed 4
needs 3
net 1
netwo 1
network 21
networks 3
news 9
next 2
ng 2
ni 1
nie 1
niethcd 1
niusic 1
no 4
nodes 2
non 4
norm 1
normally 1
nornially 1
not 19
notice 3
nre 1
nrng 1
number 9
numbers 1
object 8
obtain 1
obtained 2
obtains 1
obvious 1
odtnient 1
of 104
offer 2
offered 2
offering 1
offerings 3
ofpiogramming 1
ofs 1
often 1
oftl 1
oi 4
oie 1
on 25
one 19
ongoing 2
```

09838330 WDS

```
only 6
onto 1
operate 2
operated 1
operator 2
operators 3
optimized 1
options 6
or 95
ordinary 1
organization 2
organized 1
originated 1
originates 1
orks 1
oroadcast 1
ot 1
othei 2
other 27
otherwise 1
oup 1
over 1
overwhelm 1
own 2
owned 1
packard 1
page 1
paid 1
parallel 5
partially 1
participating 1
party 1
passively 1
patailel 1
pattern 2
pc 2
periods 1
personal 5
personalized 13
ph 1
piaylists 2
pie 1
piearianged 1
pieces 1
pioblem 1
piogiamming 2
piogram 1
piograms 2
```

```
piovide 1
plan 1
play 7
played 21
playhst 5
playing 3
playlist 31
playlists 17
plays 3
pleasing 1
point 1
pool 1
pop 1
popular 2
portion 1
portions 1
possess 1
possible 2
possibly 3
potential 1
practical 3
practice 1
pre 3
precisely 2
predictable 1
prefeired 1
preference 1
preferences 5
preferred 2
preloading 1
prepare 1
prepared 1
prescribed 1
presence 1
present 12
presentation 2
presented 2
previously 2
pro 1
process 2
progiamming 1
progiams 1
program 8
programming 34
programs 6
progranhirnng 1
programm 1
progranuning 1
```

```
programming 1
proportionately 1
proposed 1
pros 1
protocols 1
provide 8
provided 2
provider 12
providers 4
provides 2
providing 5
pto 1
publicly 1
purchase 1
purchased 1
purpose 3
qu 1
quantity 4
quickly 1
radio 9
ram 1
rather 2
rc 1
reaction 1
real 12
reason 1
reasonably 1
receive 1
reciu 1
recognition 2
recording 3
reduce 2
reference 2
reflect 1
regardless 1
regional 1
register 1
registers 1
rejects 1
related 3
relates 3
relevant 1
remaining 1
remains 1
removal 1
removals 1
removed 1
removes 2
```

```
repeatedly 1
repetitive 1
replacement 2
requested 1
require 2
required 5
requirements 1
requires 2
requited 1
requisteu 1
residence 1
resource 1
resources 4
response 2
rn 1
rules 3
running 1
sa 1
same 4
satellite 2
satisfied 1
savings 1
schedulin 1
scheiiie 1
sclectio 1
se 1
seaic 1
seamlessly 1
search 6
searchability 1
searchable 2
searches 1
searching 1
select 2
selected 7
selecting 1
selection 12
selections 22
selects 1
seleetioi 1
sensitive 3
sent 2
sepaiate 1
separate 1
separately 1
sequential 1
series 1
server 4
```

```
servers 1
serves 2
service 6
services 1
set 3
sets 1
sft 1
share 1
shared 1
sharing 4
shifted 2
shifting 3
short 3
should 3
show 1
sicechannel 1
sidechamiel 1
sidechannel 11
sidechannels 3
signal 4
signals 1
sil 1
sili 1
similar 5
similarly 1
simple 2
simplifies 1
simplify 1
since 6
sinfted 1
single 3
sio 1
sioecbaniid 1
site 7
sites 9
skipped 1
slightly 3
small 3
so 5
solution 1
some 6
somewhere 1
sonic 1
sound 1
source 1
sources 4
spec 1
special 3
```

```
specific 1
specifically 1
specified 1
speed 1
spoken 1
standard 1
standardized 2
start 2
started 1
statio 1
station 32
stations 17
stays 1
stening 1
sticamili 1
sticams 1
stieams 1
stile 1
stones 1
storage 6
store 4
stored 12
stories 2
storing 6
story 2
stream 3
streamed 1
streaming 2
streams 17
style 2
subscription 1
substantially 2
substitute 5
substitutes 1
substitutions 1
sucam 1
such 10
suitable 2
surfing 1
switch 1
switched 1
switching 1
system 5
systems 2
ta 1
table 2
taken 3
talk 1
```

tapes 1 targeted 1 taste 2 tdevis 1 telephone 2 tend 2 th 1 than 4 that 34 the 250 theiefore 1 their 3 them 3 theme 2 themselves 1 there 3 therefore 3 these 11 they 2 third 1 this 20 those 4 threatening 1 through 5 throughout 2 thus 2 tiaverse 1 time 34 tion 1 tl 1 tne 1 to 146 top 8 ts 1 tuneprint 1 tv 1 two 2 type 1 types 2 typically 1 tzilk 1 ule 1 unchanging 1 undesired 1 unidentified 1 unif 1 unified 2 unique 10

uniquely 1 unless 3 unlikely 1 until 2 unwanted 1 up 6 updated 2 upon 5 usage 1 use 7 used 8 usei 5 user 69 users 2 using 3 usually 1 varied 1 various 8 vary 1 vdeo 1 ver 1 version 1 very 1 video 3 visiting 1 visual 1 volume 1 vtce 1 wait 1 wants 1 was 1 way 6 web 8 well 1 what 4 when 7 where 5 whereby 2 wherein 3 which 3 while 5 wide 1 will 11 wired .2 wireless 5 wishes 1 with 29 within 5

without 4 work 3 worst 1 would 9 ybeb 1 yr 1